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Figure 1. Transmission electron micrographs of the Cu oxide nanoparticles in polyimide formed by the method of the present invention (left: low magnification, right: high magnification).

Low magnification

High magnification



Particle size: 4.3 nm

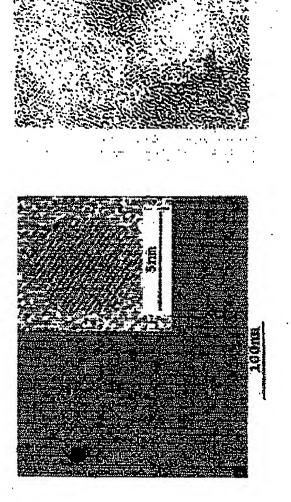
Particle density: 2.3×10¹² particles/cm²

Wery uniform and dense particles formed.

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Figure 2. Electron micrographs of particles formed by the method of US 5,906,670 and published by Dobson etc. (left: Ag particles, right: CdS particles).



High resolution image of nano CdS particles (source: O.V. Salata, P.J. Dobson, et el Thin Solld Films, v.251, 1-3, 1994)

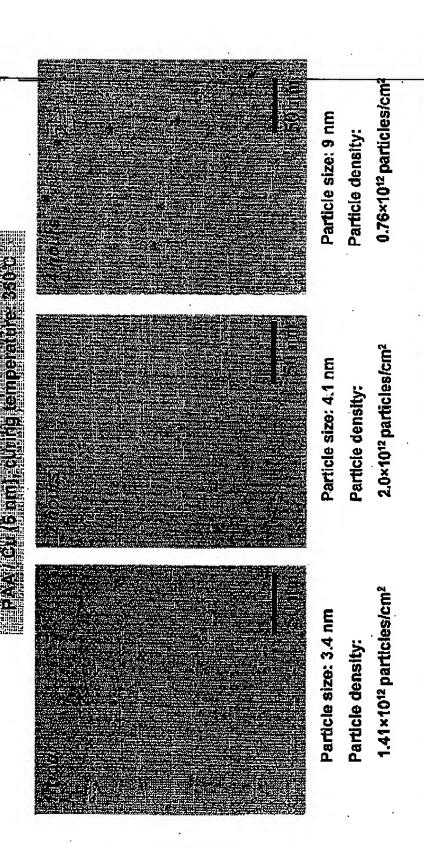
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(Source: O.V. Salvata, Current Nanoscience, v.1, 25-33, 2005)

Ag nanoparticles

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Figure 3. Transmission electron micrographs showing the change in size of Cu oxide nanoparticles in accordance with the control of heating period when performing the method of the present invention (left: I hour, middle: 2 hours, right: 4 hours).



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